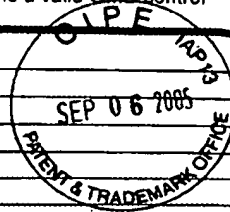


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: August 26, 2005 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/621,570
				Filing Date	07/18/2003
				First Named Inventor	Kenji KANAYAMA
				Group Art Unit	2687
				Examiner Name	Phuoc Huu DOAN
				Attorney Docket Number	056203-0107
Sheet	1	of	2		



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code2 (if known)			
PHD	A1	2003/0037170	A1	Zeller et al.	02-20-2003	
↓	A2	2004/0125821	A1	Kuhl, Carmen	07-01-2004	
	A3	2004/0181296	A1	Muneta et al.	09-16-2004	
	A4	4,625,308	—	Kim et al.	11-25-1986	
	A5	4,715,031	—	Crawford et al.	12-22-1987	
	A6	4,750,171	—	Kedar et al.	06-07-1988	
	A7	5,218,680	—	Farrell et al.	06-08-1993	
	A8	5,400,018	A	Scholl et al.	05-21-1995	
	A9	5,732,094	—	Petersen et al.	03-24-1998	
	A10	5,850,338	—	Fujishima, Mitsushiro	12-15-1998	
	A11	5,907,689	—	Tavallaei et al.	05-25-1999	
	A12	6,389,480	—	Kotzur et al.	05-14-2002	
	A13	6,574,234	—	Myer et al.	06-03-2003	
	A14	H001,882	—	Asthana et al.	10-03-2000	
	A15	2004/0210326	A1	Muneta et al.	10-21-2004	
A16	2005/0017875	A1	Nakayama et al.	01-27-2005		
V	A17	2004/0210323	A1	Muneta et al.	10/21/2004	
	A18	2004/0215354	A1	Nakamura et al.	10/28/2004	
	PHD	A19	2004/0210620	A1	Muneta et al.	10/21/2004

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office 3	Number4	Kind Code5 (if known)				
PHD	A20	EP	0905594	A1	PHOENIX CONTACT GMBH & CO	03-31-1999	_____	_____
↓	A21	GB	2267984	A	Thorn EMI Electronics Ltd	12-22-1993	_____	_____
	A22	GB	2307068	A	MITSUBISHI DENKI KABUSHIKI KAISHA	05-14-1997	_____	Abst.
	A23	JP	60-062482		Fanuc Ltd.	04-10-1985	_____	Abst.
	A24	JP	03-116395	A	CSK Corporation	05-17-1991	_____	Abst.
	A25	JP	04-045697	A	NEC Corporation	02-14-1992	_____	Abst.
	A26	JP	05-37980	A	MITSUBISHI ELECTRIC CORP	02-12-1993	_____	Abst.
	A27	JP	6-324719	A	Omron Corporation	11-25-1994	_____	Abst.
	A28	JP	7-282090	A	TOSHIBA CORP.	10-27-1995	_____	Abst.
	A29	JP	08-211792	A	Mita Industrial Co., Inc.	08-20-1996	_____	Abst.
	PHD	A30	JP	11-24744	A	Shin Caterpillar Mitsubishi Ltd	01-29-1999	_____

Examiner Signature	PHUOC DOAN	Date Considered	10/26/05
--------------------	------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

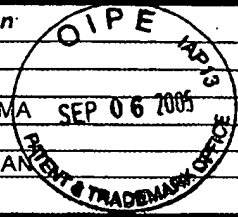
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: August 26, 2005 (use as many sheets as necessary)				Complete if Known													
Sheet		2	of	2	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/621,570</td> </tr> <tr> <td>Filing Date</td> <td>07/18/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Kenji KANAYAMA</td> </tr> <tr> <td>Group Art Unit</td> <td>2687</td> </tr> <tr> <td>Examiner Name</td> <td>Phuoc Huu DOAN</td> </tr> <tr> <td>Attorney Docket Number</td> <td>056203-0107</td> </tr> </table>	Application Number	10/621,570	Filing Date	07/18/2003	First Named Inventor	Kenji KANAYAMA	Group Art Unit	2687	Examiner Name	Phuoc Huu DOAN	Attorney Docket Number	056203-0107
Application Number	10/621,570																
Filing Date	07/18/2003																
First Named Inventor	Kenji KANAYAMA																
Group Art Unit	2687																
Examiner Name	Phuoc Huu DOAN																
Attorney Docket Number	056203-0107																



FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office 3	Number 4	Kind Code 5 (if known)				
PHD ↓ PHD	A31	JP	2000-259215	A	OMRON CORPORATION	09-22-2000	—	Abst.
	A32	JP	2000-269996	A	Omron Corp.	09-29-2000	—	Abst.
	A33	JP	2001-084014	A	NIPPON SIGNAL CO LTD	03-30-2001	—	Abst.
	A34	JP	2001-83002	A	Ishida Co., Ltd	03-30-2001	—	Abst.
	A35	JP	2002-71519	A	NTN CORP.	03-08-2002	—	Abst.
	A36	JP	2002-73121	A	FUJI ELECTRIC CO., LTD	03-12-2002	—	Abst.
	A37	WO	02/098065	A1	Omron Corporation	12-05-2002	—	—

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T6

Examiner Signature <div style="font-size: 1.2em; font-family: cursive;">PHUOC DOAN</div>	Date Considered <div style="font-size: 1.2em; font-family: cursive;">10/26/05</div>
---	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.